

# heitz



*established in 1905*

## ICF TECHNOLOGY

**For the production of various ICF elements  
with polystyrene and Neopor®**

**The specialist with the longest experience in shape moulding machines  
For your advantage**

**heitz**

The Brand that serves the World of Particle Foam with German made Technology

# ICF Technology

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**For the production of various ICF elements with polystyrene and Neopor®**

**With the longest experience – for your advantage**

### HEITZ – the key to success:

HEITZ is aware of the signs of the times and focuses on state-of-the-art technologies, in order to be and to create a better and more healthy living space for mankind.

With their experience of decades HEITZ has engineered a trendsetting, environmentally friendly and cost-effective building system and delivers therefor moulding machines, moulds and turn-key plants worldwide. Of course no expenses are incurred for licence.

### ICF – Insulated Concrete Form:

Are made of a continuous concrete core, that is enclosed on both sides by insulating sheatings. It is described as shuttering elements as it encloses the concrete.

### HEITZ ICF technology:

The concept and the technology of ICF elements is simple and efficient. Conventional building systems require a multitude of additional work in order to set up a construction adapted to the latest energy standards.

Additional work such as shuttering, plugging and bonding of insulating boards, complex constructions to avoid thermal bridges etc., is not required when using the HEITZ ICF technology.

Elaborated and proven technics allows fast, cost-effective and easy shell construction without complex crane technology and expensive specialist tools.

### The materials – polystyrene and Neopor®:

Polystyrene and Neopor® by BASF are the ideal starting materials for the realisation of the ICF technology. ICF elements are moulded with HEITZ moulding machines according to the required insulating characteristics with the adequate material.

### HEITZ machine technology:

The HEITZ machine technology has been proven for decades worldwide. HEITZ engineered, built and supplied the first fully automatic EPS moulding machine in 1957. Our experience is always deployed to your advantage. Our machines are always state-of-the-art.

### HEITZ ICF technology in use:

The HEITZ ICF technology is almost unlimited in its use. For the construction of single-family houses or multi-family houses (picture 5), school buildings, play school buildings, hospitals, office buildings or industrial buildings etc.. With the HEITZ ICF technology you can build various constructions fast, cost-effective and environmentally friendly.

### Your advantages in competition:

- fastest shell construction
- additional insulation not required
- lowest energy consumption of your buildings by best possible insulation
- lowest intermediate financing by fastest construction
- healthy room climate by optimised insulation
- easy handling of the building system even for non skilled workers

### HEITZ ICF technology in application:

Our moulding machines and turn-key plants for the production of ICF elements are in use worldwide. In Europe, Africa, United Arab Emirates or America, there is confidence in the proven HEITZ ICF technology all over the world.

### Elements of the HEITZ ICF technology:

HEITZ has not only specialised in construction of walls. At Heitz you'll find the whole range of products for construction of walls (picture 3), ceilings and roofs (picture 2 and 4). Everything in proven HEITZ quality, light and easy to handle.

## HEITZ ICF moulding machines at a glance:

HEITZ has all the machines for the production of the ICF technology.

### Wall:

Moulding machines with handling robot for inlay of sheet metal or plastic connecting inserts into the mould and handling of the moulded elements (HEITZ HBB 1412, picture 1).

Moulding machines for manual inlay of sheet metal or plastic connecting inserts into the mould and handling units for the moulded elements

Of course we also built machines for the production of ICF elements with moulded EPS bridges.

### Ceiling/baseplate:

Moulding machines for the production of single ceiling elements and baseplate elements. The ceiling elements are assembled later with sheet metal profiles (picture 2). Incl. sheet metal profiling unit, cutting unit and assembly unit.

Moulding machines for the step continuous production of ceiling elements and baseplate elements with inmoulded sheet metal profiles, incl. sheet metal profiling unit and cutting unit.

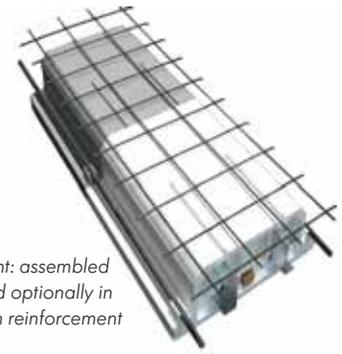
### Roof:

Moulding machines for the step continuous production of roof elements with inmoulded sheet metal profiles (picture 4), incl. sheet metal profiling unit and cutting unit.

## Overview HEITZ ICF technology:



Picture 1 – HEITZ HBB 1412: Moulding machine with handling robot and stacking table. For the production of ICF elements with sheet metal or plastic connecting inserts, 3 elements per cycle.



Picture 2 – HEITZ ceiling element: assembled with 2 U-Profils (to be produced optionally in polystyrene and Neopor®). With reinforcement and inserted roof batten.



Picture 3 – HEITZ ICF sample range of products at a glance. An exposition of the single elements (to be produced optionally in polystyrene and Neopor®). Further elements available on request.



Picture 4 – HEITZ roof element: with 2 inmoulded U-Profils (to be produced optionally in polystyrene and Neopor®), shown in cross section.



Picture 5 – Housing area during construction: production of all ICF elements with HEITZ Technology (in the back ICF houses already completed).

**Feel free to contact us,  
we will be happy to advise you.**

E. A. Heitz GmbH  
Fabrik für Verschäumenanlagen  
P. O. Box 1380  
D-67263 Grünstadt, Germany

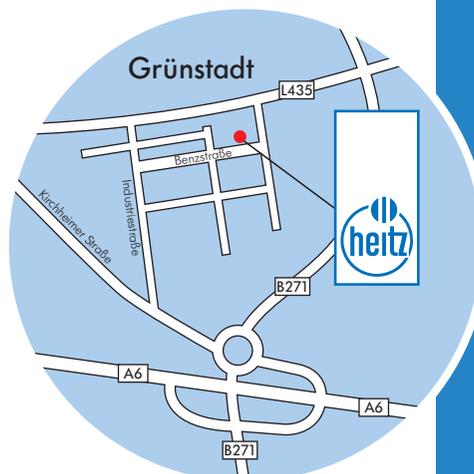
Telefon: +49 (0)6359-8 90 80  
Telefax: +49 (0)6359-8 48 62  
info@heiz.de | www.heitz.de



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# DELIVERY PROGRAM

- Shape moulding machines for EPS processing
- Shape moulding machines for EPP/EPE processing
- Moulding machines for PE thermoforming
- Shape moulding machines for Copolymers processing
- Preexpanders and silos
- Block moulding machines
- Cutting units
- Recycling units
- Pressure loading systems for EPP
- Mould tools incl. PTFE coating
- Accessories for mould tools
- Cooling systems, recirculated
- Central vacuum units
- Turn key plants worldwide
- Machines for vacuum casting of epoxy resins



## How to find us:

Grünstadt/Pfalz is situated in the beautiful Rhine valley, directly on the „Deutsche Weinstraße“.

### Nearest airport:

Frankfurt International (50 minutes by car)

### Nearest railroad station:

Mannheim/Ludwigshafen (20 minutes by car)

### Motorway exit:

Grünstadt/Deutsche Weinstraße on A6/E50

